

Title (en)

Polypropylene polymers incorporating macromers

Title (de)

Makromonomere enthaltende Propylenpolymere

Title (fr)

Polymères de propylène contenant des macromonomères

Publication

EP 1361232 B1 20100224 (EN)

Application

EP 03014471 A 19981112

Priority

- EP 98956703 A 19981112
- US 6918997 P 19971210

Abstract (en)

[origin: EP1361232A2] A polyolefin composition is provided which consists essentially of isotactic polypropylene and, optionally, one or more comonomers, wherein the total comonomer content of the polyolefin composition is from 0 to 20 mole percent, and further, wherein the weight average branching index g' for the lower molecular weight region of the polyolefin composition is less than 0.93. Additionally, a process is provided for producing a polyolefin composition comprising: a) contacting, in solution, at a temperature from about 90 DEG C to about 120 DEG C, propylene monomers with a catalyst composition comprising a first chiral, stereorigid transition metal catalyst compound capable of producing isotactic polypropylene; b) copolymerizing the product of a) with propylene and, optionally, one or more copolymerizable monomers, in a polymerization reactor under suitable polypropylene polymerization conditions using a second chiral, stereorigid transition metal catalyst capable of producing isotactic polypropylene; and c) recovering a branched olefin polymer.

IPC 8 full level

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CPC (source: EP)

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Cited by

US8669326B2; US8940839B2; US8426659B2; US8835563B2; US8604148B2; US8841397B2; US8501894B2; US8754170B2; US8785562B2; US8399724B2; US8841394B2; US8623962B2; US8623974B2; US8981029B2; US8455597B2; US8669330B2; US8796376B2; US8816027B2

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